

Summary of the PIER Advisory Group Workshop Comments on the 2011/12 Proposed Energy Efficiency Research Initiatives

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July 26, 2011**

Energy Efficiency Advisory Group



California Energy Commission – PIER

- First meeting on June 24, 2011
- Group members (20 members/14 attended)
 - Utilities
 - California Independent System Operator
 - Government agencies
 - Energy and environmental advocacy
 - Academia
 - Clean tech and industry
- Invited researchers
 - Utilities, academia, private consultants, state agencies
- Approximately 50 public attendees (in person and by WebEx)

June 24 Workshop Summary



California Energy Commission – PIER

■ Staff Presentations

- PIER Program overview, policy drivers and role of participants
- Program background and discussion of research initiatives, questions and comments
 - Building End Use Efficiency
 - Industrial, Agriculture and Water

Advisory Group Recommendations and Workshop Comments



California Energy Commission – PIER

■ Building Energy Efficiency

- Support for initiatives
- Emphasized need to coordinate with utilities and PIER should look farther ahead than utility programs
- Provided input on areas for further emphasis or research for HVAC, lighting, whole buildings, consumer electronics, behavior and environmental research
- Supported zero net energy building demonstration (game changer) for all types of buildings, identified other technical, funding, timing, coordination and program considerations (e.g., maintenance and sustainability)
- Emphasized continued support for research centers
- Need for integration with renewable energy-emphasize applied side and assessments of renewable energy with energy efficiency

Advisory Group Recommendations and Workshop Comments



California Energy Commission – PIER

■ Industrial, Agriculture and Water Energy Efficiency

- Support for initiatives
- Emphasized the need to reduce risk by establishing an industrial research center to aid in technology adoption - link end users, manufacturers and regulators
 - ITRC in Cal Poly San Luis Obispo and water center starting at UCD
- High tech solutions will require support infrastructure, especially in operation and maintenance of technologies-needs to be addressed in demonstration proposals
- Provided input on areas for further emphasis such as need for technologies and road map considerations
 - Non-research area assistance: regulatory (permitting), tax/incentives
- Need for integration with renewable energy-emphasize applied side and assessments of renewable energy with energy efficiency

- Coordinate with utilities
 - Utilities want active involvement in project planning, selection and implementation
- Coordinate with other PIER teams, especially Renewable Energy and Energy Technology Systems Integration (ETSI)
- Inform the marketplace and share research results to regulators, industry and other stakeholders

- **Overall: Advisory Group supports staff's proposed FY 11/12 initiatives**

- **Buildings**
 - Zero Net Energy Game Changer: Building Energy Efficiency team is coordinating with the Renewable Energy and the ETSI teams to include building level meter/grid integration, storage and renewable energy components.
 - General solicitation to include many of the Advisory Group recommendations that fall within PIER's oversight

- **Industrial, Agriculture and Water**
 - General solicitation to include many of the Advisory Group recommendations that fall within PIER's oversight

Contact Information



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